

## INTERNATIONAL SEARCH REPORT

International application No

PCT/FR-02/0157

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N5/06 C12N5/10 C12N15/86 C12Q1/02 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, WPI Data, PAJ, EMBL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.      |
|------------|---|----------------------------|
| X          | AUSTIN S ET AL: "INDUCTION OF THE NUCLEAR ORPHAN RECEPTOR RORGAMMA DURING ADIPOCYTE DIFFERENTIATION OF D1 AND 3T3-L1 CELLS" CELL GROWTH AND DIFFERENTIATION, THE ASSOCIATION, PHILADELPHIA, PA, US, vol. 9, March 1998 (1998-03), pages 267-276, XP002927713<br>ISSN: 1044-9523<br>abstract | 1-5, 8,<br>10-13,<br>16-19 |
| Y          | page 271, left-hand column, last paragraph<br>-page 272, left-hand column, paragraph 2;<br>figure 7<br>page 274, left-hand column, paragraph 3<br>-right-hand column, paragraph 3<br><br>-/-  | 1-5, 8,<br>10-13,<br>16-27 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

20 June 2003

Date of mailing of the international search report

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 02/157

| C.(Continuation) DOCUMENTS CONSIDERED RELEVANT |   |                           |
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| Category                                       | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.     |
| Y  | WO 99 67637 A (RASPE ERIC ;MERCK PATENT GMBH (DE); BONHOMME YVES (FR))<br>29 December 1999 (1999-12-29)<br>abstract<br>page 5, paragraph 2 -page 13, paragraph 4;<br>example 7  | 1-5,8,<br>10-13,<br>16-27 |
| A  | ADELMANT ET AL: "A functional Rev-erbalpha responsive element located in the human Rev-erbalpha promoter mediates a repressing activity"<br>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US,<br>vol. 93, April 1996 (1996-04), pages 3553-3558, XP002099904<br>ISSN: 0027-8424<br>cited in the application<br>abstract<br>page 3553, right-hand column, paragraph 3<br>page 3554, left-hand column, paragraph 4<br>page 3555, right-hand column, paragraph 2<br>-page 3556, left-hand column, paragraph 1 | 1-5,<br>10-13,<br>16,18   |
| A  | DATABASE EMBL 'Online!<br>1 February 1991 (1991-02-01)<br>Database accession no. P20393<br>XP002226720<br>NRD1_HUMAN<br>abstract  | 9,10,38,<br>40            |
| A  | CHAWLA AJAY ET AL: "Induction of Rev-Erba-alpha, an orphan receptor encoded on the opposite strand of the alpha-thyroid hormone receptor gene, during adipocyte differentiation."<br>JOURNAL OF BIOLOGICAL CHEMISTRY,<br>vol. 268, no. 22, 1993, pages 16265-16269, XP002226719<br>ISSN: 0021-9258<br>cited in the application<br>abstract<br>page 16266, left-hand column, paragraph 4<br>-page 16267, right-hand column, paragraph 1  | 3,6,19,<br>31             |

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International Application No.

PCT/Fk US 157

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | CHAWLA A ET AL: "PEROXISOME PROLIFERATOR AND RETINOID SIGNALING PATHWAYS CO-REGULATE PREADIPOCYTE PHENOTYPE AND SURVIVAL"<br>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US,<br>vol. 91, no. 5, 1 March 1994 (1994-03-01),<br>pages 1786-1790, XP000615475<br>ISSN: 0027-8424<br>abstract<br>page 1787, right-hand column, paragraph 2<br>-page 1788, left-hand column, paragraph 2 | 3,6,19,<br>31         |
| A          | GERVOIS P ET AL: "FIBRATES INCREASE HUMAN REV-ERBALPHA EXPRESSION IN LIVER VIA A NOVEL PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR RESPONSE ELEMENT"<br>MOLECULAR ENDOCRINOLOGY, BALTIMORE, MD, US,<br>vol. 13, March 1999 (1999-03), pages<br>400-409, XP000972167<br>ISSN: 0888-8809<br>cited in the application<br>abstract  | 3,6,19                |
| P,X        | WO 02 058532 A (NEBB HILDE ;ASTRAZENECA AB (SE); BAMBERG KRISTER (SE))<br>1 August 2002 (2002-08-01)<br>the whole document   | 1-6,15,<br>17,18      |

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/FR 03/0157

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date       |
|---|---------------------|----------------------------|---------------------------|
| WO 9967637                                | A                   | 29-12-1999                 | FR 2780512 A1 31-12-1999  |
|   |                     | AU 4515599 A 10-01-2000    |                           |
|   |                     | CA 2336009 A1 29-12-1999   |                           |
|   |                     | WO 9967637 A1 29-12-1999   |                           |
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| WO 02058532                               | A                   | 01-08-2002                 | WO 02058532 A2 01-08-2002 |

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